

# PRONOVA®

## FOAM FOR WELL CONSTRUCTION 1K PU



### PROPERTIES:

PRONOVA Foam for Well Construction is a moisture-curing single-component polyurethane foam, specially developed for the construction of chambers, wells and underground structures. Very good adhesive properties. Tested for watertightness and pressure resistance. Resistant to frost and ageing. After it has hardened, it can be plastered and painted over. Resistant to typical construction chemicals and to wastewater; rotproof, non-toxic and resistant to vermin.

### AREAS OF APPLICATION:

Ideal for sealing and installing manhole rings, tanks and small domestic wastewater treatment plants. Ideally suited for closing joints between chamber elements and for sealing around house pipe connections. Replaces time-consuming mortar work.

### PRODUCT ADVANTAGES:

- ▶ Wastewater resistant
- ▶ High adhesive strength
- ▶ Replaces time-consuming mortar work
- ▶ Certified waterproof and pressure resistant
- ▶ Resistant to chemicals
- ▶ Rotproof
- ▶ Resistant to vermin
- ▶ Resistant to frost and ageing

### TECHNICAL INFORMATION:

Raw material base:	Polyurethane
Cell structure:	Medium
Bulk density:	Approx. 25 kg/m <sup>3</sup>
Temperature resistance:	-40 °C to +80 °C (up to 100 °C for short periods)
Application temperature:	+5 °C to 30 °C
Tack free:	Approx. 5 to 10 minutes <sup>(1)</sup>
Can be cut:	Approx. 2 to 3 hours (20 mm bead size) <sup>(1)</sup>
Foam yield:	Approx. 40 litres, free foamed
Curing time:	Full strength after approx. 12-24 h <sup>(1)</sup>
Standards and tests:	<b>Tested pressure resistance:</b> 0.5 bar (5 m head of water) <b>Tested pressure resistance:</b> 8 N/cm <sup>2</sup> (10 % compression)

<sup>(1)</sup> Depends on the temperature and air humidity. Data determined at +23 °C, 50 % relative air humidity; according to FEICA test methods & EN DIN 17333.

## PREPARATION OF SUBSTRATE:

Substrates must be solid, clean, and free of dust and grease. Adheres poorly or not at all to silicone, grease, polyethylene, mould release agents or similar adhesion-inhibiting substances. Porous substrates must be sufficiently moistened immediately before the product is applied. Non-porous substrates should remain dry. Applying the product to frozen or waterlogged substrates is not advisable.

## PROCESSING AND APPLICATION:

Prepare all the building components properly ready for fixing. Make sure you have some PRONOVA Foam Cleaner to hand ready for cleaning and removing any fresh foam residues. The ideal working temperature is +20 °C. If the cans are too cold, warm them carefully in lukewarm water. Never heat to above +50 °C, or the can may burst. If the cans have overheated, e.g. in a vehicle in summer, cool them carefully in cold water and do not shake the cans!

Screw the adapter tube onto the valve as far as it will go (taking care not to operate the valve). Shake the can about 20 to 30 times. Hold the can with the valve pointing downwards. Regulate the flow of foam by applying light lateral pressure to the valve lever. Apply the foam evenly to the manhole ring. The next manhole ring should be placed on top within 4 to 6 minutes. In the case of vertical components, the foam may only bulge out on one side, around the entire perimeter, so that the other side can be grouted with cement mortar to create a friction-locked seal.

## CLEANING:

Remove any fresh foam spots or residues immediately with PRONOVA Foam Cleaner. Once the foam has hardened, it can only be removed mechanically.

## STORAGE:

Store in cool, dry, frost-free conditions. If stored properly in its unopened original container, PRONOVA Foam for Well Construction has a shelf life of up to 15 months. The date of manufacture is printed on the container.

## DISPOSAL:

Observe the local regulations when disposing of waste material. Completely empty cans can be disposed of via the PDR recycling system.

## IMPORTANT INFORMATION:

Never keep or transport the cans in the interior of a vehicle! Transport the cans only in the boot of the vehicle and ensure that the cans stand vertically and are secured in place! Protect the can from direct sunlight! Wear suitable protective clothing (protective gloves/goggles) when applying the product. Due to the variety of materials that could be processed and since we have no influence over the storage or application conditions, we cannot guarantee the results in individual cases. Since there is a very large number of possible applications, carry out your own tests to ensure material compatibility, if in doubt.

Before applying the product, read the safety instructions on the can and the details in the safety data sheet. The safety data sheet can be found at [www.pronova-dichtstoffe.de](http://www.pronova-dichtstoffe.de).

## PACKAGING:

Package: 750-ml can

Packaging: 12 pieces/box

Colour: Grey

The details provided in this technical information sheet are based on intensive application tests in the laboratory and in practice and are intended as guideline values and recommendations. The guideline values do not represent any guarantee or assurance. The responsibility for using the material in each case lies with the person using it. Since there are many different materials and the working conditions lie outside our sphere of influence, we recommend that you carry out your own tests, if in doubt.

Further information is available by telephone: 00 800 / 63333782 (free of charge for landline calls from Germany, Austria, Switzerland and The Netherlands).

The publication of this technical data sheet renders all previous editions of this data sheet void.